Hivemind 2525
Technical Brief

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PERFORMANCE

Intel Xeon Processors: Scalable performance provided by the latest available Intel Xeon processors supporting fast access to system memory with 800MHz front side bus and increased clock speeds designed to allow the processor to process more data in less time. Hyper-Threading helps provide improved performance for multithreaded applications through better use of processor resources. In simplified terms, Hyper-Threading enables the OS to view one physical processor as two logical processors, which helps improve response time because multiple tasks can be run simultaneously in certain application environments.

Extended Memory 64-bit technology: Intel EM64T provides 64-bit computing and large memory addressability while maintaining complete 32-bit compatibility and performance - all in one platform. The innovations in the Xeon processor based platforms and additional supporting technology advancements allow customers who purchase servers with these processors to install and run all of their existing 32-bit applications with excellent performance and to adopt 64-bit applications when their applications and operating systems have been certified to run in a 64-bit environment.

STORAGE

Hard Drive Capabilities: Featuring support for up to 2.4 TB SATA or 1.8TB of SCSI hot-swap hard drives, RAID 0 and RAID 1support for data redundancy, Memory Mirroring and redundant Network Interface Controllers to keep your systems running while protecting your data. Additionally, support for SATA and/or SCSI hard drives provides flexible, scalable availability.

APPLICATION SUPPORT

Database applications, edge of network and Internet infrastructure applications (web servers, firewall, workload balancing, domain controllers, Domain Name System (DNS) servers, Dynamic Host Configuration Protocol (DHCP) servers), messaging and file/print applications. Additionally, it is an excellent platform for thin client/server based computing (e.g., Citrix®) and SAN compute node.

EXPANDABILITY

Memory: Scalable memory allows customers to increase server memory as their application demands increase. Many database and messaging applications will benefit from increased memory scalability and fast access to memory data with support for up to 12 GB of ECC DDR 1 Memory.

PCI X Slots: With six open PCI-X 66-bit/100 MHz slots and one Super Slot for PCI-X riser card (3 66-bit/133 MHz slots) or PCI-Express riser card (2 x8 PCI Express slots and 1 66-bit/100 MHz slot) the Hivemind 2520 supports a wide range of workloads in any data center.

PROCESSOR	Up to two Intel® Xeon™ Processors with EM64T
SYSTEM BUS	800MHz
MEMORY	Six DIMM sockets supporting up to 12GB* ECC DDR1 400 Memory
CHIPSET	Intel E7520
DRIVE BAYS	Up to six hot-swap SCSI or SATA hard drives and one bay for slim-line floppy, CD-ROM, or CD-RW/DVD combo drive. Floppy can also be placed in one hard drive bay. or CD-RW/DVD combo drive. Floppy can also be placed in one hard drive bay. Max storage is 2.4TB SATA or 1.8TB SCSI
HARD DRIVE CONTROLLER	Integrated dual channel SATA and U320 SCSI RAID controllers supporting RAID 0 and 1
GRAPHICS	Integrated ATI Rage XL video controller with 8MB of video memory
NETWORK INTERFACE	Integrated Dual Intel Gigabit Ethernet
BUILT-IN I/O	1 Serial, 2 NIC, 1 SCSI, 1 SVGA, 3 USB (1 front; 2 back), 2 PS/2
EXPANSION SLOTS	Six PCI-X 66-bit/100 MHz slots and one Super Slot for PCI-X riser card (3 66-bit/133 MHz slots) or PCI-Express riser card (2 x8 PCI Express slots and 1 66-bit/100 MHz slot)
POWER SUPPLY	Dual hot-swap, redundant 700W power supplies
FANS	Supports total of ten: Eight system fans, Two power supply fans
SERVER MANAGEMENT SOFTWARE	Alienware Server Management Software
SYSTEM DIMENSIONS	3.45"(H) x 16.93"(W) x 26.46"(D)
ACOUSTIC EMISSIONS	Sound level: ‹55 dBA (rack-mount) in an idle state
RELATIVE HUMIDITY (NON-OPERATING)	90% @+30 degrees C Non-Condensing
AMBIENT TEMPERATURE	Operating (system): +5 degrees C to +35 degrees C; Non-operating (system): -40 degrees C to +70 degrees C
ELECTROSTATIC DISCHARGE	+/- 15k V per Intel test specification
ELECTROMAGNETIC CAPABILITY CERTIFICATIONS	FCC/ICES-003 (US/Canada), CE-EMC (Europe)
SHOCK	Unpackaged: Trapezoidal 50g, 170 inches/sec
VIBRATION	Unpackaged: 5Hz to 500Hz 3.13g RMA random
AVERAGE SHIPPING WEIGHT	Approximately 62 lbs.
SAFETY CERTIFICATIONS	UL60950-CSA 60950 (UL and cUL) (US/Canada)
SYSTEM SECURITY	A mechanical lock on the optional front bezel and an intrusion switch that can be monitored by Alienware Server Management Software
STANDARD WARRANTY AND SERVICE OFFERINGS	3-Year Limited Parts Warranty & Technical Support Policy; 3-Year Next Business Day On-site Service; 3 Network Operating System (NOS) Resolutions

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